

Title (en)
COMBUSTOR ARRANGEMENT

Title (de)
BRENNKAMMER

Title (fr)
AGENCEMENT DE CHAMBRE DE COMBUSTION

Publication
EP 3098514 A1 20161130 (EN)

Application
EP 15169977 A 20150529

Priority
EP 15169977 A 20150529

Abstract (en)
A combustor for a gas turbine engine comprising a central axis 44 about which is arranged in flow sequence a radial swirler 40, a pre-chamber 60 partly defined by a wall 62 and a combustion chamber 38. The radial swirler 40 comprises a base plate 45 having an annular array of vanes 46 and fuel injectors 48A, 48B, 50 arranged to direct an air/fuel mixture radially inwardly and tangentially to create a vortex 55 that flows through the pre-chamber 60 and into the combustion chamber 38. The pre-chamber 60 has a portion which is convergent in a downstream direction.

IPC 8 full level
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CPC (source: EP US)
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Citation (search report)

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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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